

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

In the Claims

1. (Currently Amended) A system for supporting a solar panel array, the system comprising:

two pairs of columns, each pair having a first column and a second column;

a first cable suspended between the first columns;

a second cable suspended between the second columns;

a plurality of panel receivers, each adapted for receiving a number of solar panels, the panel receivers being secured to each of ~~adapted to be supported by~~ the two cables.

2. (Original) The system of claim 1 wherein the first columns are relatively long columns and the second columns are relatively short columns.

3. (Original) The system of claim 1 further comprising at least one anchoring device secured to the ground outside of the columns, wherein at least one of the first cable and the second cable is secured to the anchoring device.

4. (Original) The system of claim 1 further comprising a center support column attached to one of the first cable or the second cable between the pairs of columns.

5. (Original) The system of claim 1 further comprising a stability cable coupled between the first column and the second column of at least one of the pairs of columns.

6. (Currently Amended) The system of claim 1 wherein ~~[[the]]~~ each panel receiver comprises:

a number of curved struts;

a number of horizontal struts connected to the curved struts with moment connections.

7. (Currently Amended) The system of claim 6 wherein [[the]] each panel receiver further comprises;

a number of center struts attached near the middle of the curved struts; and

a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

wherein the cable trusses are coupled between the first end and the second end to the center struts.

8. (Original) A solar panel array comprising:

a first system as in claim 1;

a second system as in claim 1; and

a stability cable coupling a column from the first system to a column from the second system.

9. (Currently Amended) A system for providing shelter and producing electricity, the system comprising:

two pairs of columns, each pair having a first column and a second column;

a first cable suspended between the first columns;

a second cable suspended between the second columns;

[[a]] at least two panel receivers each configured for receiving a number of solar panels, the panel receivers being attached to and adapted to be supported by the two cables;

a number of solar panels received by [[the]] each panel receiver;

wherein the columns are tall enough to allow a desired activity to occur beneath the panel receiver; and

wherein the cables are sufficiently long to allow the desired activity to occur between the pairs of columns.

10. (Original) The system of claim 9 wherein the first columns are relatively long columns and the second columns are relatively short columns.

11. (Original) The system of claim 9 further comprising at least one anchoring device secured to the ground outside of the columns, wherein at least one of the first cable and the second cable is tensioned by use of the anchoring device.

12. (Original) The system of claim 9 further comprising a center support column attached to one of the first cable and the second cable between the pairs of columns.

13. (Original) The system of claim 9 further comprising a stability cable coupled between the first column and the second column of at least one of the pairs of columns.

14. (Currently Amended) The system of claim 9 wherein ~~[[the]]~~ each panel receiver comprises:

- a number of curved struts;

- a number of horizontal struts connected to the curved struts with moment connections.

15. (Currently Amended) The system of claim 14 wherein ~~[[the]]~~ each panel receiver further comprises;

- a number of center struts attached near the middle of the curved struts; and

- a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

- wherein the cable trusses are coupled between the first end and the second end to the center struts.

16. (Currently Amended) A system for supporting a solar panel array, the system comprising:

first, second, third and fourth anchor points;

a first support cable suspended between the first and second anchor points;

a second support cable suspended between the third and fourth anchor points; and

a plurality of solar panel receivers each adapted to receive a solar panel, the solar panel receivers being secured and further adapted to couple to the first support cable and the second support cable;

~~wherein the anchor points are spaced and disposed such that the solar panel receiver may be supported by the first support cable and the second support cable.~~

17. (Currently Amended) The system of claim 16 wherein ~~[[the]]~~ each panel receiver comprises:

a number of curved struts;

a number of horizontal struts connected to the curved struts with moment connections.

18. (Currently Amended) The system of claim 17 wherein ~~[[the]]~~ each panel receiver further comprises;

a number of center struts attached near the middle of the curved struts; and

a number of cable trusses having a first end and a second end, the cable trusses being connected at the first end to one end of a curved strut and at the second end to an opposite end of the same curved strut;

wherein the cable trusses are secured between the first end and the second end to the center struts.

19. (Currently Amended) A method of supporting a solar panel array comprising:

providing a first support cable and a second support cable;

disposing the first support cable and the second support cable such that the cables are generally parallel in their respective axial directions;

providing a plurality of solar panel receivers each adapted to receive a solar panel and adapted to receive the first support cable and the second support cable; and
securing the solar panel receivers to the first support cable and the second support cable.

20. (Currently Amended) A method of providing a sheltered space, the method comprising:

disposing a solar panel array above the space by the use of a number of support cables, the solar panel array providing at least some shade and shelter to the sheltered space;

disposing a mister on the solar panel array;

generating electricity using the solar panel array;

generating a cooling effect in the sheltered space through the use of the mister,
using at least some of the electricity to operate the mister.